

SYSTEM AND METHOD FOR DETERMINING  
AN AZIMUTH OF A SEISMIC ENERGY SOURCE

ABSTRACT OF THE DISCLOSURE

The present invention provides a system for, and method of determining an azimuth of a seismic energy source. In one embodiment, the system includes a directional assembly having a mount configured to be coupled to a seismic energy source, a rotatable mass assembly coupled to the mount, a compass rose coupled to one of the mount or the rotatable mass assembly and a direction reference coupled to the other of the mount or the rotatable mass assembly. The compass rose is registered with the direction reference to provide a direction orientation of the rotatable mass assembly with respect to the mount.